

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #78 January 19, 2009

## Work Completed: January 8 – January 14, 2009

- Completed removing soil and sediment from Removal Area 13A.
- Completed loading and transporting TSCA soil/ sediment material from Removal Area 13A to EQ's Wayne Disposal facility.
- Completed additional removal of bank soils associated with two gas utility crossings.
- Continued decommissioning activities at Staging Area 4N.
- Continued loading and transporting construction materials associated with Staging Area 4N decommissioning activities to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continued decommissioning the WCS.
- Continued removal of the Phase 2 Cofferdam.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	210	6	805	23
2008 Total	17,500	500	69,405	1,983
Project Total to Date	20,510	586	105,420	3,012

Note: All values are unofficial, estimated quantities, subject to revision/verification.



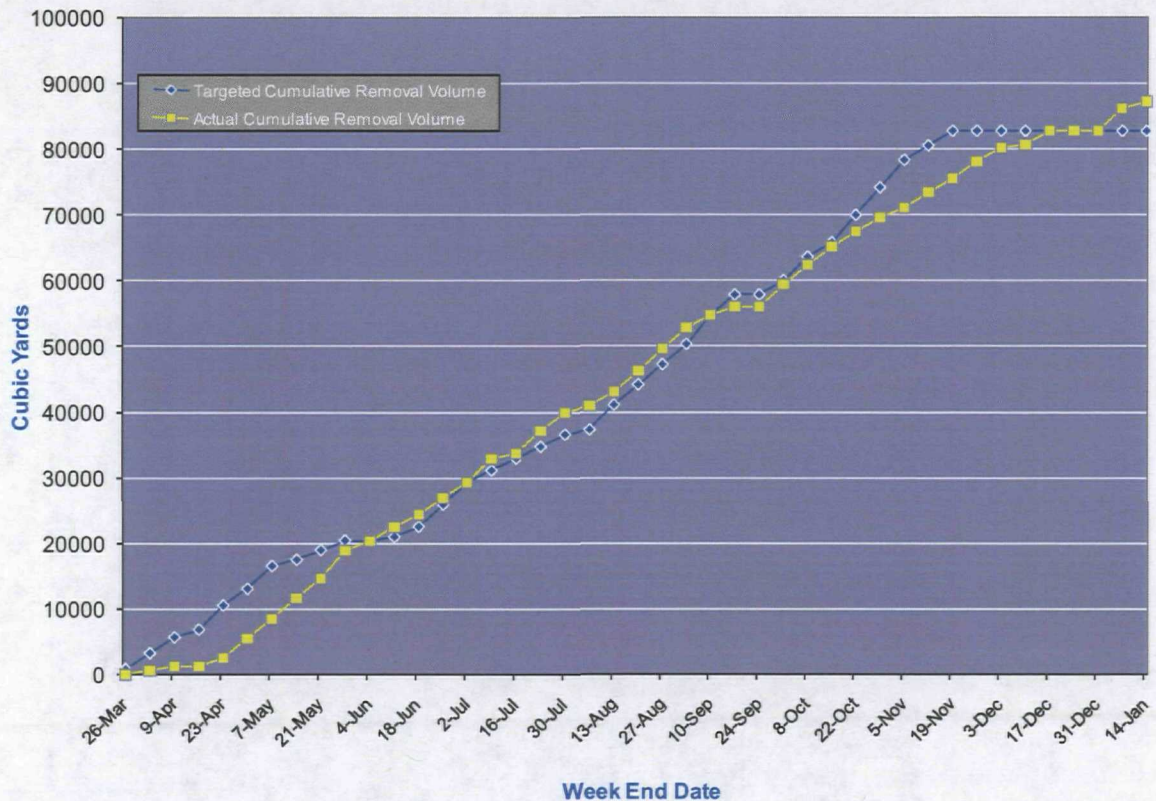


***Work Planned: January 15 – January 21, 2009***

- Continue decommissioning activities at Staging Area 4N.
- Continue loading and transporting construction materials associated with Staging Area 4N decommissioning activities to Allied Waste's C&C Landfill and Ottawa County Farms Landfill.
- Continue decommissioning the WCS, including removing remaining steel sheeting.
- Continue removing the Phase 2 Cofferdam.



## Removal Progress



### Notes:

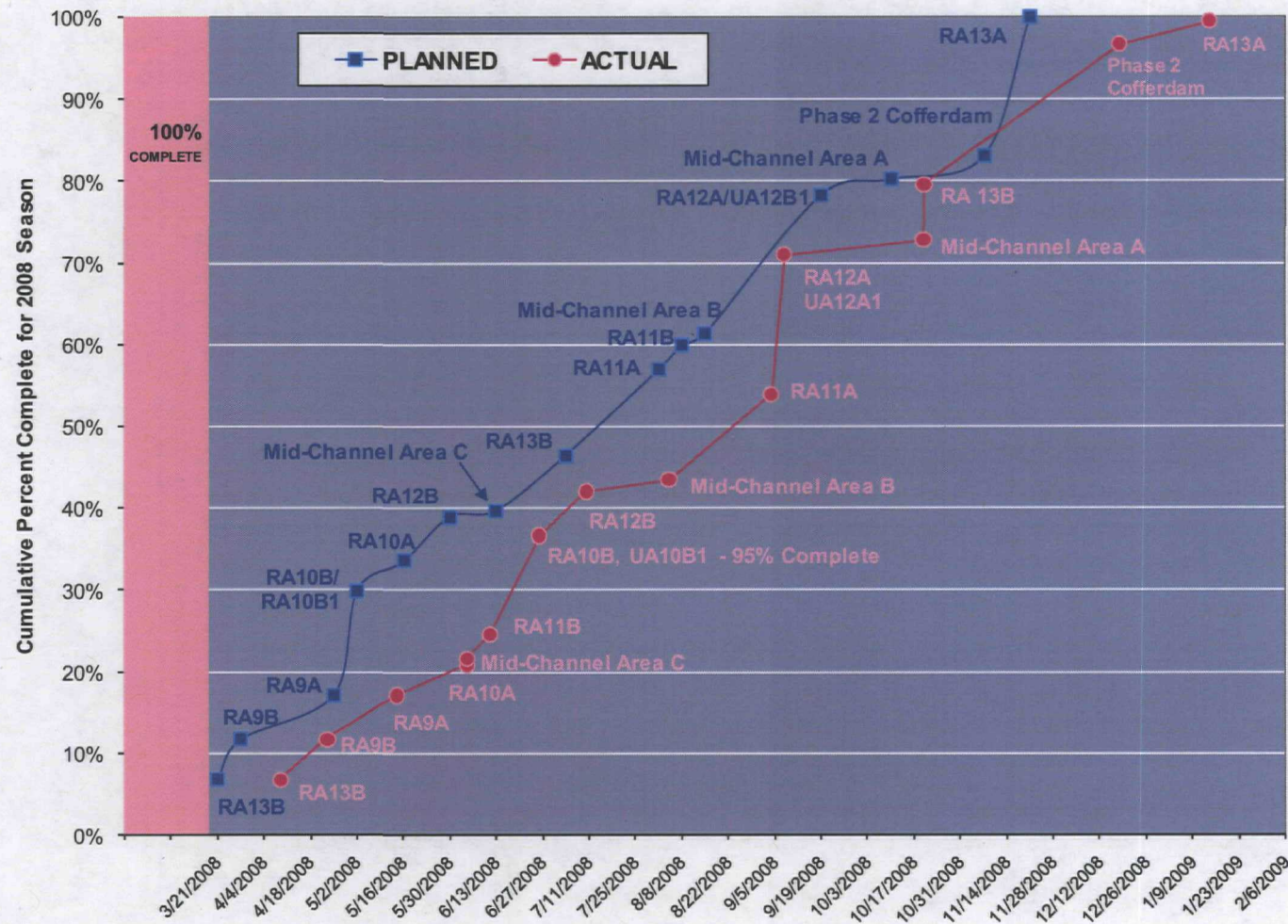
Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBL ES 4/30/07 Plainwell TCRA Construction Schedule.

In Plainwell Weekly Construction Reports published between July 14 and October 13, 2008 (Reports #55 through #67), this graph incorrectly depicted the cumulative removal volume. During that period, the incremental increase added each week reflected only additional TSCA material removed, rather than total volume removed to date. Beginning with Report #68 on October 20, 2008 this Removal Progress graph now correctly displays total cumulative volume removed in the 2008 construction season.



**Removal Progress**



**Notes:**

For Areas where removal is less than 100% complete, the data point shown is an estimate based on area and volume considerations.

'Complete' is defined as removal of all targeted materials as detailed in the Plainwell TCRA Design Report.



#### **Health & Safety Update**

- 4 Loss Prevention Observations (LPOs) were completed during this period.  
A total of 285 LPOs have been completed for the project to date.

#### **Weather Summary**

- Hauling operations were suspended early on both 1/09/09 and 1/14/09 due to hazardous road conditions.

#### **Environmental Monitoring and Construction Quality Assurance Testing**

##### **Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

##### **Dewatering System Discharge Monitoring:**

Discharge Flow: 0 gallons  
Testing Performed this Week? No ☒ Yes ☐  
Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

##### **Excavation Verification Sampling:**

Testing Performed this Week? No ☐ Yes ☒  
Cleanup Standard Achieved? N/A ☐ Yes ☒ No ☐ If no, explain:

#### **Issues Encountered/Solutions Advanced**

- None



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***Equipment on Site***

Equipment	1/8/09	1/9/09	1/10/09	1/11/09	1/12/09	1/13/09	1/14/09
Komatsu PC-300 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-400 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	-	-	-	-	-	-	-
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	-	-	-	-	-	-	-
Hitachi 270 Excavator(King)	-	-	-	-	-	-	-
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
FAVCO 40-ton Crane	1	1	1	1	1	1	1
40' Self Propelled Work Barge	-	-	-	-	-	-	-
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Smooth Drum Roller	-	-	-	-	-	-	-
John Deere Skidsteer	1	1	1	1	1	1	1
Vermeer Chipper	-	-	-	-	-	-	-
Komatsu 400 Articulating Dump Truck	1	1	1	1	1	1	1



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***Personnel, Regulatory Staff, and Visitors on Site***

Individual/Affiliation	1/8/09	1/9/09	1/10/09	1/11/09	1/12/09	1/13/09	1/14/09
Terra Contracting Staff	15	15	8		15	15	15
Jim Saric/USEPA							
Charles Roth/USEPA							
Sam Borries/USEPA							
Mike Ribordy/USEPA OSC							
Karl Gustavson/US ARMY ERDC							
Paul Bucholtz/MDEQ						X	
Judith Gapp/MDEQ							
Todd Goeks/NOAA							
John Lerg/MDNR	X						
Sara Shaffer/MDNR	X						
Lisa Williams/USFWS							
Weston Contractors					X	X	X
CDM Contractors							
Chase Fortenberry/KRSG							
Mark Brown/KRSG							
David Guier/KRSG							
Gary Griffin/KRSG							
Chuck Barnes/ARCADIS							
Steve Garbaciak/ARCADIS							
Anthony Esposito/ARCADIS							
Mike Erickson/ARCADIS							
Scott Harcus/ARCADIS							
Matt Bowman/ARCADIS							X
EJ Suardini/ARCADIS					X	X	X
Mike Kohagen/ARCADIS	X	X	X		X	X	X
Michelle Rumler/ARCADIS	X	X			X	X	X
Joe Willoughby/ARCADIS	X	X			X	X	X
Tom O'Rourke/ARCADIS							
Nick Harmer/ARCADIS							
MDEQ Sample Team							
Other Subcontractors (Specify)							
King Co.	6	6	5		6	6	6
JF New							



*Photos from January 8 – January 14, 2009*



Excavating soil in Removal Area 13A.



Removing steel sheeting from the Phase 2 Cofferdam.



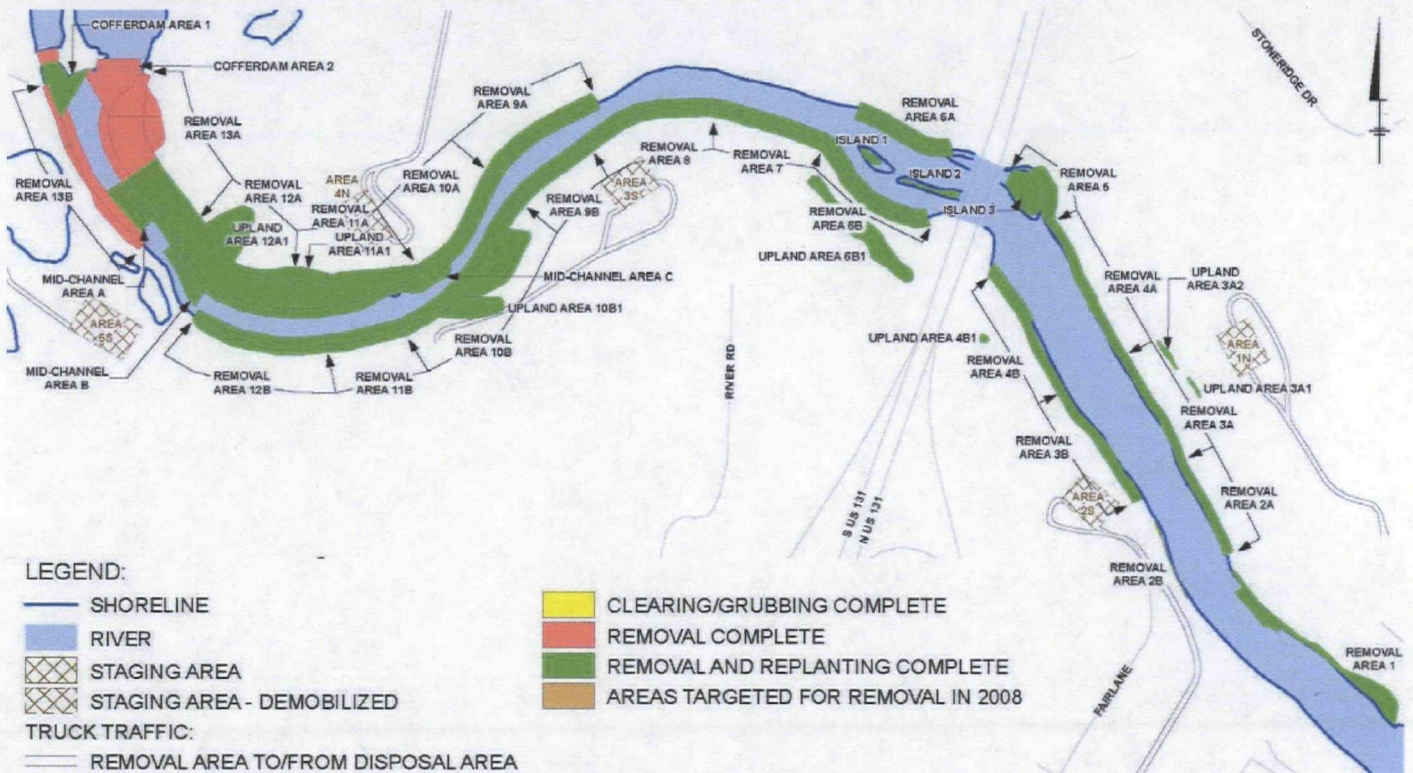
Excavating additional bank soils associated with two gas utility crossings in Removal Areas 10A and 11A.



Developing equipment access to facilitate WCS cutoff wall sheeting removal.



**Targeted Removal Areas – Former Plainwell Impoundment**



**Notes:**

All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.